

# DF2D

EXTRA ABRASION RESISTANT  
FRAS  
TWO WIRE BRAID  
COMPACT HOSE



#### RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

#### PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 857 Type 2SC, ISO 11237 Type 2SC, SAE 100R16.

#### TUBE:

Black, oil resistant synthetic rubber.

#### REINFORCEMENT:

Two braids of high tensile steel wire.

#### COVER:

**DIEHARD™** Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series BITELOK Crimp Couplings.

#### FEATURES:

The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

#### FRAS - FLAME RESISTANCE AND ANTI-STATIC:

**DIEHARD™** complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

#### TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

#### WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

#### COUPLINGS:

**BITELOK NON-SKIVE ONE-PIECE CRIMP T2000 Series** (sizes -04 to -16).

Not suitable for use with field attachable couplings. Refer to Product Technical Manual - Hydraulics for assembly instructions.

| DF2D - DINFLEX<br>NON-SKIVE HOSE |           |                 |      |                 |      |                          |     |                        |      |                     |     |                |      |                              |           |
|----------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO                          | HOSE SIZE | NOMINAL HOSE ID |      | NOMINAL HOSE OD |      | MAXIMUM WORKING PRESSURE |     | MINIMUM BURST PRESSURE |      | MINIMUM BEND RADIUS |     | AVERAGE WEIGHT |      | COUPLING SERIES<br>ONE PIECE |           |
| Hose                             | DN        | Dash            | mm   | inch            | mm   | inch                     | bar | psi                    | bar  | psi                 | mm  | inch           | kg/m | lb/ft                        | NON-SKIVE |
| DF24D                            | 6         | -04             | 6,3  | 1/4             | 13,4 | 0.53                     | 420 | 6100                   | 1680 | 24000               | 50  | 2.0            | 0,28 | 0.19                         | T2000     |
| DF25D                            | 8         | -05             | 7,9  | 5/16            | 14,9 | 0.59                     | 350 | 5100                   | 1400 | 20400               | 56  | 2.2            | 0,41 | 0.27                         | T2000     |
| DF26D                            | 10        | -06             | 9,5  | 3/8             | 17,3 | 0.68                     | 350 | 5100                   | 1400 | 20400               | 63  | 2.5            | 0,43 | 0.29                         | T2000     |
| DF28D                            | 12        | -08             | 12,7 | 1/2             | 20,3 | 0.80                     | 295 | 4250                   | 1180 | 17000               | 88  | 3.5            | 0,51 | 0.34                         | T2000     |
| DF210D                           | 16        | -10             | 15,9 | 5/8             | 23,6 | 0.93                     | 250 | 3625                   | 1000 | 14500               | 101 | 4.0            | 0,63 | 0.42                         | T2000     |
| DF212D                           | 19        | -12             | 19,1 | 3/4             | 27,6 | 1.09                     | 215 | 3100                   | 860  | 12400               | 120 | 4.7            | 0,81 | 0.55                         | T2000     |
| DF216D                           | 25        | -16             | 25,4 | 1               | 35,5 | 1.40                     | 167 | 2400                   | 668  | 9700                | 152 | 6.0            | 1,10 | 0.74                         | T2000     |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.